

# Converting Colors - WCAG Matrix

## Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(0BAD9B)	Hex(FFFFFF)	Hex(61E5D2)	Hex(80FFEE)	Hex(9EFFFF)	Hex(BDFFFF)	Hex(DBFFFF)	Hex(F9FFFF)
Hex(0BAD9B)		Ratio: 2.81 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 2.53 Failed <sup>5</sup>	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 2.78 Failed <sup>5</sup>
Hex(FFFFFF)	Ratio: 2.81 Failed <sup>5</sup>		Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(61E5D2)	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>
Hex(80FFEE)	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>
Hex(9EFFFF)	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>
Hex(BDFFFF)	Ratio: 2.53 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>
Hex(DBFFFF)	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(F9FFFF)	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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